

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. <b>NM 6682</b>	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				6. INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>BCO, Inc.</b>				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR <b>135 Grant, Santa Fe, NM 87501</b>				8. FARM OR LEASE NAME <b>Federal B</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>790' FNL &amp; 890' FEL</b> At proposed prod. zone				9. WELL NO. <b>7</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>1 mile south of Escrito Trading Post, NM</b>				10. FIELD AND POOL, OR WILDCAT <b>Lybrook Gallup Ext.</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>790'</b>		16. NO. OF ACRES IN LEASE <b>2080</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 21, T 23N, R 7W, NMPM</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>approx. 6000' from Federal B #1</b>		19. PROPOSED DEPTH <b>5996'</b>		12. COUNTY OR PARISH <b>Sandoval</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>7390' GL</b>				13. STATE <b>NM</b>	
23. PROPOSED CASING AND CEMENTING PROGRAM				17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
12-1/4"	8-5/8"	23#	200'	22. APPROX. DATE WORK WILL START* <b>5-1-89</b>	
7-7/8"	4-1/2"	11.6#	5996'	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
				150 sx (190 cu.ft.)	
				1250 sx (2165 cu.ft.)	

Plan to drill a 12-1/4" hole and set  $\pm 200'$  of 8-5/8" OD, 23#, limited service, range 3 surface casing; then plan to drill a 7-7/8" hole to total depth with gel-water-mud program to test the Gallup formation. Plan to run IES and CDL logs. If determined productive, will run 4-1/2", 11.6#, J-55 casing, selectively perforate, frac, clean out after frac and complete well.

**RECEIVED**

MAY 6 4 1989

OIL CON. DIV.  
DIST. 8

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Elizabeth B. Keeshan TITLE Vice-President DATE 4/13/89  
Elizabeth B. Keeshan  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

NMOCC

\*See Instructions On Reverse Side

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-78STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

All distances must be from the outer boundaries of the Section.

Operator BCO, Inc.		Lease Federal B		Well No. 7
Unit Letter A	Section 21	Township 23 North	Range 7 West	County Sandoval
Actual Footage Location of Well: 790 feet from the North line and 890 feet from the East line				
Ground Level Elev. 7390	Producing Formation Gallup	Pool Lybrook Gallup Ext.	Dedicated Acreage 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

		790'	
		890'	
		BCO, Inc. Ls# NM 6682	
SECTION 21 <b>RECEIVED</b> MAY 04 1989 OIL CON. DIV. DIST 3			

## CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Elizabeth B. Keeshan

Name

Elizabeth B. Keeshan

Position

Vice-President

Company

BCO, Inc.

Date

4/13/89

I hereby certify that the location shown on this plat was placed in the field notes of actual survey made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

November 25, 1988

Registered Professional Engineer  
and/or Land Surveyor

Edgar L. Risenhoover

Certificate No. 5979